

**American Society of Mechanical Engineers (ASME)  
Smart Materials, Adaptive Structures, and Intelligent Systems (SMASIS)  
Division**

**Senators Attending:**

Steven Anton, Andres Arrieta, Jayasimha Atulasimha, Christopher Bowland, Constantin Ciocanel, Manuel Collet, Marcelo Dapino, Alper Erturk, Eric Freeman, Umesh Gandhi, James Gibert, Sumit Gupta, JaeHung Han, Guobiao Hu, Amin Karami, Bjoern Kiefer, Wonhee Kim, Suyi Li, Russell Mailen, Mohammad Malakooti, Patrick Musgrave, Oliver Myers, Hani Naguib, Brittany Newell, Christopher Niezrecki, William Oates, Morvan Ouisse, Feng Qian, Nathan Salowitz, Andy Sarles, Janet Sater, Yi-Chung Shu, Ralph Smith, Lihua Tang, Zhenhua Tian, Serife Tol, Ya Wang, Aimy Wissa, Zhengbao Yang, Zhengbao Yang, Wael Zaki, Lei Zuo,

**Friends Attending:**

Jared Butler, Zhangxian Deng, Mariantonieta Gutierrez Soto, Xiaopeng Li, Wen Luo, Zhu Mao, Fulvio Pinto, Christopher Sugino, Pai Wang, Xuan Zhu,

Spring Meeting at the 2024 SPIE SS + NDE Conference, Long Beach, CA  
7:00 - 9:00 pm (PST), Tuesday, March 26, 2024

**MINUTES - DRAFT**

1. Hybrid Meeting Logistics (Eric Freeman)
  - 1.1. *Bjoern reviewed how to connect and how the hybrid meeting would be handled.*
2. Introductions (Bjoern Kiefer)
  - 2.1. *Members in the room introduced themselves first along with affiliation and senate/friend.*
  - 2.2. *Members on Zoom were introduced sequentially.*
3. Attendance and Acknowledgment of Visitors (Eric Freeman)
  - 3.1. *Directed in-zoom attendees to enter information on the spreadsheet, make corrections as needed, and marked attendance.*
4. Division Operations (Bjoern Kiefer)
  - 4.1.1. *Bjoern introduced the two websites (ASME and former branch), directed attendees to minutes from past meeting*
  - 4.2. Review and Acceptance of Minutes
    - 4.2.1. *Minutes accepted – poll results saved from Zoom and unanimous in room.*
  - 4.3. Chair Highlights (Bjoern Kiefer)
    - 4.3.1. *Bjoern - Branch under aerospace division, officially made the move to division under ASME. Thanks to Diann for making things happen behind the scenes.*
    - 4.3.2. *Discussed strategic planning for the division at the meeting pre-SMASIS.*
    - 4.3.3. *We want the division to be an official community that moves us forward – we also need to be financially stable.*
    - 4.3.4. *Overview of division structure provided by Bjoern, emphasizing the high level of community involvement in the executive committee.*
  - 4.4. Awards Report (Onur Bilgen)
    - 4.4.1. *Bjoern presented overview of awards structure. We wanted to streamline and unify the process while eliminating conflict of interests.*
    - 4.4.2. *Unified timeline presented and public call for referees*

- 4.4.3. *Marcelo Dapino presented information for ASME Fellows, call for nominations and description of qualifications.*
- 4.5. Treasury Report (Janet Sater / Constantin Ciocanel)
  - 4.5.1. *Cornel provided account balance - \$74793 – waiting for confirmation from ASME. SMASIS revenue - \$2000.*
  - 4.5.2. *Brief discussion on the \$9000 planning session – ASME covered half the cost, and costs were incurred for hotel AV, etc. Should be out of the norm for expenses.*
  - 4.5.3. *FY2025 budget proposal provided by Bjoern. Mentioned inviting all TC and EC to April 9<sup>th</sup> meeting – will send out invites tomorrow.*
  - 4.5.4. *Diann Brei emphasized that all conferences are struggling right now. While we are spending more than we bring in, we are still doing better than many. Hesitant to raise conference prices, but we are trying to break-even.*
- 4.6. Membership Report (Eric Freeman)
  - 4.6.1. *Eric reported current numbers, noting that official numbers for division are currently unavailable. Estimated total is above 600.*
  - 4.6.2. *Eric showed slide encouraging people to update their division preferences through ASME.*
- 4.7. New Procedure for Voting on Senators Discussion (Bjoern Kiefer)
  - 4.7.1. *Bjoern emphasized that you only have to be a senator to be a leader in a TC. Friends can join TCs.*
  - 4.7.2. *Discussion on needing ASME membership. Will add requirement for ASME membership more explicitly to senator nomination discussion.*
  - 4.7.3. *Poll conducted in Zoom and in person. Approved.*
- 4.8. Website and Communications (Onur Bilgen / Sergio Lucato)
  - 4.8.1. *Websites and communications presented*
- 4.9. Division Newsletter (Diann Brei)
  - 4.9.1. *Diann discussed revitalized newsletter. 2/3 of the material complete, waiting for 1/3. Encouraged student spotlight submissions – a great way to promote our student accomplishments. Deadline of April 4<sup>th</sup> for submissions.*
- 5. TC Updates
  - 5.1. Bioinspired Smart Materials and Systems (Joseph Najem/Ya Wang/Caterina Lamuta)
    - 5.1.1. *Ya Wang covered the goals (recruitment, promotion, rewards) and noted the TC was going to meet in May 2024, work on engineered living materials, and nominate best papers.*
  - 5.2. Energy Harvesting (Shima Shahab/Serife Tol/Junrui Liang/Wei-Chei Tai)
    - 5.2.1. *Serife – current chair – goal was to expand the scope of the TC, revise the name. A survey was sent to TC members, and will discuss results in Spring virtual meeting. Also surveyed members for goals for the TC and how they can improve, invited speaker identified for SMASIS 2024.*
  - 5.3. Active Material Technology and Integrated Systems (Srinivas Vasista/Patrick Musgrave/Alex Pankonien/Sebastian Geier)
    - 5.3.1. *Patrick Musgrave gave overview. Discussed strategic goals, wanted to diversify application areas and sustainably recruit members. Identified two primary areas they wanted to address – 4D printing and biomed technologies. Invited speakers identified as well for SMASIS 2024.*
  - 5.4. Active and Multi-Functional Materials (John Domann/Russell Mailen/Doug Nicholson/Peter Caltagirone)
    - 5.4.1. *Russell Mailen provided report – goal is to recruit and engage and meet more frequently. Saw a significant increase in nominated best papers as well, potentially thanks to unified timeline.*
  - 5.5. Adaptive Systems Dynamics and Controls (Suyi Li/Sriram Malladi/Marco Fontana/Guangbo Hao)
    - 5.5.1. *Suyi Li gave report – goal is to recruit strong leadership, create pipeline, working on best paper awards, etc.*

- 5.6. Structural Health Monitoring (Tyler Tallman/Nathan Salowitz/Zhenhua Tian/Haifeng Zhang)
  - 5.6.1. *Zhenhua Tian – we have been meeting, having discussions since SMASIS, working on TC best paper solicitation and arrange reviewers, invited more people to submit papers and presentations to the SMASIS conference and currently working to find reviewers, etc.*
6. Conference Updates
  - 6.1. SMASIS Conference Update (Sherry Towfighian/Johannes Riemenschneider/Brent Utter)
    - 6.1.1. *Numbers are going up. The more people the better and more sustainable.*
    - 6.1.2. *Diann - ASME policy says there is a limit on students per faculty. We are seeing if we can make exceptions.*
  - 6.2. SPIE Conference Update (Serife Tol)
    - 6.2.1. *Serife presented numbers on SPIE conference. Numbers are holding steady, and we have a new location next year!*
  - 6.3. ICAST Conference Update (Alper Erturk)
    - 6.3.1. *ICAST overview – first ICAST in-person in a few years! Hosted at the Global Learning Center, banquet at georgia aquarium, great keynote speakers – Paolo Ermanni, Diann Brie, Norm Werely, and a panel – Kon-Well Wang, Shima Shahab, Dan Inman.*
7. Other Business (Bjoern Kiefer)
  - 7.1. *Nothing brought up for other business.*
8. Adjourn and Reminders (Bjoern Kiefer)
  - 8.1. *Meeting concluded.*